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11M, 11C and 11B are transferred onto the sheets of paper. That is, ink Y is transferred in the printing unit 11Y, ink M is transferred in the printing unit 11M, ink C is transferred in the printing unit 11C, and ink B is transferred in the printing unit 11B, whereby a color image is printed on the sheets of paper by the negative-type system.

IN THE CLAIMS:

Please enter the following amended claims:

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13. (Once Amended) A planographic printing press, comprising:
a mounting section which mounts an original printing plate having photo catalyst power;
a processing section which hydrophobically processes the entire surface of said original plate on which a layer of a hydrophobic substance is provided;
an activation light irradiation section which irradiates activation light one of on said original printing plate carrying the layer of said hydrophobic substance as per image and on the entire surface thereof;
means for heating said original plate during irradiating said activation light so that the temperature of the surface of said original plate becomes 40 through 200°C one of as per image and on the entire surface thereof, so that a hydrophobic area and a hydrophilic area are formed on said original plate;
a section which supplies ink to said hydrophobic area and which supplies a damping solution to said hydrophilic area; and

a printing section which prints by bringing a printing surface, on which said hydrophobic area accepts the ink and said hydrophilic area accepts the damping solution, into contact with a surface to be printed.

A13 14. (Once Amended) The planographic printing press according to Claim 13, wherein said heating means includes a heating device for heating said original printing plate by irradiating light for maintaining the surface of said original printing plate at a predetermined temperature.

15. (Once Amended) The planographic printing press according to Claim 13, wherein said heating means includes a heating device for heating said original printing plate by electric heating for maintaining the surface of said original printing plate at a predetermined temperature.

The following claims are added as new claims.

16. (New) The planographic printing press according to claim 13, wherein the mounting section comprises a plate cylinder.

A14 17. (New) The planographic printing press according to claim 16, wherein the heating means is provided inside the plate cylinder.

18. (New) The planographic printing press according to claim 13, wherein the processing section comprises an electric heater and a temperature controller.

19. (New) The planographic printing press according to claim 13, wherein the activation light irradiation section comprises a mercury lamp as a light source for the activation light.

20. (New) The planographic printing press according to claim 13, wherein the activation light contains ultraviolet ray components.

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21. (New) The planographic printing press according to claim 13, wherein the activation light irradiation section comprises a laser beam source for emitting a laser beam and a laser beam source driving section.

22. (New) The planographic printing press according to claim 21, wherein the laser beam is a helium cadmium laser.

23. (New) The planographic printing press according to claim 17, wherein the heating means comprises an electro-thermal heater.

24. (New) The planographic printing press according to claim 17, wherein the heating means comprises a tungsten halogen lamp.

Amendment under 37 C.F.R. § 1.111
U.S. Application No. 09/887,334

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25. (New) The planographic printing press according to claim 17, wherein the heating means comprises a heater and a heating roller.
